

<110> INCYTE CORPORATION; CHAWLA, Narinder K.;  
TANG, Y. Tom Tang; GRIFFIN, Jennifer A.;  
YANG, Yonghong G.; RAMKUMAR, Jayalaxmi;  
KHARE, Reena; RICHARDSON, Thomas W.;  
BECHA, Shanya D.; TRAN, Uyen K.;  
KABLE, Amy E.; SWARNAKAR, Anita;  
WARREN, Bridget A.; ELLIOTT, Vicki S.;  
MARQUIS, Joseph P.; HAFALIA, April J.A.

<120> CARBOHYDRATE-ASSOCIATED PROTEINS

<130> PF-1612 PCT

<140> To Be Assigned  
<141> Herewith

<150> US 60/425,423  
<151> 2002-11-12

<150> US 60/441,847  
<151> 2003-01-21

<150> US 60/453,882  
<151> 2003-03-10

<150> US 60/456,645  
<151> 2003-03-20

<150> US 60/463,676  
<151> 2003-04-16

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<212> PRT  
<213> Homo sapiens

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Ala Ala Ser Tyr Ser Glu Thr Val Thr Cys Glu Asp Ala Gln Lys  
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Thr Cys Pro Ala Val Ile Ala Cys Ser Ser Pro Gly Ile Asn Gly  
35 40 45  
Phe Pro Gly Lys Asp Gly Arg Asp Gly Thr Lys Gly Glu Lys Gly  
50 55 60  
Glu Pro Gly Gln Gly Leu Arg Gly Leu Gln Gly Pro Pro Gly Lys  
65 70 75  
Leu Gly Pro Pro Gly Asn Pro Gly Pro Ser Gly Ser Pro Gly Pro  
80 85 90  
Lys Gly Gln Lys Gly Asp Pro Gly Lys Ser Pro Gly Lys Asp Pro  
95 100 105  
Ser Lys Val

<210> 2  
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&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2936048CD1

&lt;400&gt; 2

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Ala	Pro	Tyr	His	Thr	Gly	Asp	Pro	Gln	Leu	Asp	Thr	Ala	Ile	Gly
				20					25					30
Gln	Trp	Leu	Arg	Trp	Asp	Lys	Asn	Pro	Lys	Thr	Lys	Glu	Gln	Ile
						35			40					45
Glu	Asn	Leu	Leu	Arg	Asn	Gly	Met	Asn	Lys	Glu	Leu	Arg	Asp	Arg
					50				55					60
Leu	Cys	Cys	Arg	Met	Thr	Phe	Gly	Thr	Ala	Gly	Leu	Arg	Ser	Ala
					65				70					75
Met	Gly	Ala	Gly	Phe	Cys	Tyr	Ile	Asn	Asp	Leu	Thr	Val	Ile	Gln
					80				85					90
Ser	Thr	Gln	Gly	Met	Tyr	Lys	Tyr	Leu	Glu	Arg	Cys	Phe	Ser	Asp
					95				100					105
Phe	Lys	Gln	Arg	Gly	Phe	Val	Val	Gly	Tyr	Asp	Thr	Arg	Gly	Gln
					110				115					120
Val	Thr	Ser	Ser	Cys	Ser	Ser	Gln	Arg	Leu	Ala	Lys	Leu	Thr	Ala
					125				130					135
Ala	Val	Leu	Leu	Ala	Lys	Asp	Val	Pro	Val	Tyr	Leu	Phe	Ser	Arg
					140				145					150
Tyr	Val	Pro	Thr	Pro	Phe	Val	Pro	Tyr	Ala	Val	Gln	Lys	Leu	Lys
					155					160				165
Ala	Val	Ala	Gly	Val	Met	Ile	Thr	Ala	Ser	His	Asn	Arg	Lys	Glu
					170				175					180
Asp	Asn	Gly	Tyr	Lys	Val	Tyr	Trp	Glu	Thr	Gly	Ala	Gln	Ile	Thr
					185				190					195
Ser	Pro	His	Asp	Lys	Glu	Ile	Leu	Lys	Cys	Ile	Glu	Glu	Cys	Val
					200				205					210
Glu	Pro	Trp	Asn	Gly	Ser	Trp	Asn	Asp	Asn	Leu	Val	Asp	Thr	Ser
					215				220					225
Pro	Leu	Lys	Arg	Asp	Pro	Leu	Gln	Asp	Ile	Cys	Arg	Arg	Tyr	Met
					230				235					240
Glu	Asp	Leu	Lys	Lys	Ile	Cys	Phe	Tyr	Arg	Glu	Leu	Asn	Ser	Lys
					245				250					255
Thr	Thr	Leu	Lys	Phe	Val	His	Thr	Ser	Phe	His	Gly	Val	Gly	His
					260				265					270
Asp	Tyr	Val	Gln	Leu	Ala	Phe	Lys	Val	Phe	Gly	Phe	Lys	Pro	Pro
					275				280					285
Ile	Pro	Val	Pro	Glu	Gln	Lys	Asp	Pro	Asp	Pro	Asp	Phe	Ser	Thr
					290				295					300
Val	Lys	Cys	Pro	Asn	Pro	Glu	Glu	Gly	Glu	Ser	Val	Leu	Glu	Leu
					305				310					315
Ser	Leu	Arg	Leu	Ala	Glu	Lys	Glu	Asn	Ala	Arg	Val	Val	Leu	Ala
					320				325					330
Thr	Asp	Pro	Asp	Ala	Asp	Arg	Leu	Ala	Ala	Ala	Glu	Leu	Gln	Glu
					335				340					345
Asn	Gly	Cys	Trp	Lys	Val	Phe	Thr	Gly	Asn	Glu	Leu	Ala	Ala	Leu
					350				355					360
Phe	Gly	Trp	Trp	Met	Phe	Asp	Cys	Trp	Lys	Lys	Asn	Lys	Ser	Arg
					365				370					375
Asn	Ala	Asp	Val	Lys	Asn	Val	Tyr	Met	Leu	Ala	Thr	Thr	Val	Ser
					380				385					390
Ser	Lys	Ile	Leu	Lys	Ala	Ile	Ala	Leu	Lys	Glu	Gly	Phe	His	Phe
					395				400					405
Glu	Glu	Thr	Leu	Pro	Gly	Phe	Lys	Trp	Ile	Gly	Ser	Arg	Ile	Ile

Asp	Leu	Leu	Glu	Asn	Gly	Lys	Glu	Val	Leu	Phe	Ala	Phe	Glu	Glu
														420
				425					425					435
Ser	Ile	Gly	Phe	Leu	Cys	Gly	Thr	Ser	Val	Leu	Asp	Lys	Asp	Gly
														440
Val	Ser	Ala	Ala	Val	Val	Val	Ala	Glu	Met	Ala	Ser	Tyr	Leu	Glu
														455
Thr	Met	Asn	Ile	Thr	Leu	Lys	Gln	Gln	Leu	Val	Lys	Val	Tyr	Glu
														470
Lys	Tyr	Gly	Tyr	His	Ile	Ser	Lys	Thr	Ser	Tyr	Phe	Leu	Cys	Tyr
														485
Glu	Pro	Pro	Thr	Ile	Lys	Ser	Ile	Phe	Glu	Arg	Leu	Arg	Asn	Phe
														500
Asp	Ser	Pro	Lys	Glu	Tyr	Pro	Lys	Phe	Cys	Gly	Thr	Phe	Ala	Ile
														515
Leu	His	Val	Arg	Asp	Ile	Thr	Thr	Gly	Tyr	Asp	Ser	Ser	Gln	Pro
														530
Asn	Lys	Lys	Ser	Val	Leu	Pro	Val	Ser	Lys	Asn	Ser	Gln	Met	Ile
														545
Thr	Phe	Thr	Phe	Gln	Asn	Gly	Cys	Val	Ala	Thr	Leu	Arg	Thr	Ser
														560
Gly	Thr	Glu	Pro	Lys	Ile	Lys	Tyr	Tyr	Ala	Glu	Met	Cys	Ala	Ser
														575
Pro	Asp	Gln	Ser	Asp	Thr	Ala	Leu	Leu	Glu	Glu	Glu	Leu	Lys	Lys
														590
Leu	Ile	Asp	Ala	Leu	Ile	Glu	Asn	Phe	Leu	Gln	Pro	Ser	Lys	Asn
														605
Gly	Leu	Ile	Trp	Arg	Ser	Val			610					615
														620

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<213> Homo sapiens

<220>  
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<223> Incyte ID No: 7521726CD1

Met	Ala	Gly	Cys	Val	Pro	Leu	Leu	Gln	Gly	Leu	Val	Leu	Val	Leu
														15
	1			5					10					
Ala	Leu	His	Arg	Val	Glu	Pro	Ser	Val	Phe	Leu	Pro	Ala	Ser	Lys
														30
Ala	Asn	Asp	Val	Leu	Val	Arg	Trp	Lys	Arg	Ala	Gly	Ser	Tyr	Leu
														45
Leu	Glu	Glu	Leu	Phe	Glu	Gly	Asn	Leu	Glu	Lys	Glu	Cys	Tyr	Glu
														60
Glu	Thr	Cys	Val	Tyr	Glu	Glu	Ala	Arg	Glu	Val	Phe	Glu	Asn	Glu
														75
Val	Val	Thr	Asp	Glu	Phe	Trp	Arg	Arg	Tyr	Lys	Gly	Gly	Ser	Pro
														90
Cys	Ile	Ser	Gln	Pro	Cys	Leu	His	Asn	Gly	Ser	Cys	Gln	Asp	Ser
														105
Ile	Trp	Gly	Tyr	Thr	Cys	Thr	Cys	Ser	Pro	Gly	Tyr	Glu	Gly	Ser
														120
Asn	Cys	Glu	Leu	Ala	Lys	Asn	Glu	Cys	His	Pro	Glu	Arg	Thr	Asp
														135
Gly	Cys	Gln	His	Phe	Cys	Leu	Pro	Gly	Gln	Glu	Ser	Tyr	Thr	Cys
														150
Ser	Cys	Ala	Gln	Gly	Tyr	Arg	Leu	Gly	Glu	Asp	His	Lys	Gln	Cys
														165
Val	Pro	His	Asp	Gln	Cys	Ala	Cys	Gly	Val	Leu	Thr	Ser	Glu	Lys

170	175	180
Arg Ala Pro Asp	Leu Gln Asp Leu Pro	Trp Gln Asn Glu Pro Arg
185	190	195
Pro Ala Asp Asp	Gln Asp Asn Ala Arg	Pro Cys Ala His Ala Val
200	205	210

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 <213> Homo sapiens

<220>  
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Met Ala Lys Asp Phe Gln Asp Ile Gln Gln	Leu Ser Ser Glu Glu		
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Asn Asp His Pro Phe His Gln Gly Ala Gln	Leu Gln Ala Glu Leu		
20	25	30	
Arg Ser Leu Lys Glu Ala Phe Ser Asn Phe	Ser Ser Ser Thr Leu		
35	40	45	
Thr Glu Val Gln Ala Ile Ser Thr His Gly	Gly Ser Val Gly Asp		
50	55	60	
Lys Ile Thr Ser Leu Gly Ala Lys Leu Glu	Lys Gln Gln Gln Asp		
65	70	75	
Leu Lys Ala Asp His Asp Ala Leu Leu Phe	His Leu Lys His Phe		
80	85	90	
Pro Val Asp Leu Arg Phe Val Ala Cys Gln	Met Glu Leu Leu His		
95	100	105	
Ser Asn Gly Ser Gln Arg Thr Cys Cys	Pro Val Asn Trp Val Glu		
110	115	120	
His Gln Gly Ser Cys Tyr Trp Phe Ser His	Ser Gly Lys Ala Trp		
125	130	135	
Ala Glu Ala Glu Lys Tyr Cys Gln Leu Glu	Asn Ala His Leu Val		
140	145	150	
Val Ile Asn Ser Trp Glu Glu Gln Lys Phe	Ile Val Gln His Thr		
155	160	165	
Asn Pro Phe Asn Thr Trp Ile Gly Leu Thr	Asp Ser Asp Gly Ser		
170	175	180	
Trp Lys Trp Val Asp Gly Thr Asp Tyr Arg	His Asn Tyr Lys Asn		
185	190	195	
Trp Ala Val Thr Gln Pro Asp Asn Trp His	Gly His Glu Leu Gly		
200	205	210	
Gly Ser Glu Asp Cys Val Glu Val Gln Pro	Asp Gly Arg Trp Asn		
215	220	225	
Asp Asp Phe Cys Leu Gln Val Tyr Arg Trp	Val Cys Gly Lys Arg		
230	235	240	
Arg Asn Ala Thr Gly Glu Val Ala			
245			

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 <213> Homo sapiens

<220>  
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 <223> Incyte ID No: 7522027CD1

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 Met Ala Gly Cys Val Pro Leu Leu Gln Gly Leu Val Leu

1	5	10	15											
Ala	Leu	His	Arg	Val	Glu	Pro	Ser	Val	Phe	Leu	Pro	Ala	Ser	Lys
	20				25									30
Ala	Asn	Asp	Val	Leu	Val	Arg	Trp	Lys	Arg	Ala	Gly	Ser	Tyr	Leu
														45
	35					40								
Leu	Glu	Glu	Leu	Phe	Glu	Gly	Asn	Leu	Glu	Lys	Glu	Cys	Tyr	Glu
														60
	50					55								
Glu	Ile	Cys	Val	Tyr	Glu	Glu	Ala	Arg	Glu	Val	Phe	Glu	Asn	Glu
														75
	65					70								
Val	Val	Thr	Asp	Glu	Phe	Trp	Arg	Arg	Tyr	Lys	Gly	Lys	Trp	Phe
														90
Pro	Ser	Ser	Pro	Gln	Lys	Tyr								
					85									
	95													

<210> 6  
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<213> Homo sapiens

<220>  
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<223> Incyte ID No: 7524406CD1

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1					5				10					15
Phe	Ser	Ile	Ser	Pro	Val	Gly	Cys	Pro	Arg	Ile	Leu	Asn	Thr	Asn
										20	25			30
Leu	Arg	Gln	Ile	Met	Val	Ile	Ser	Val	Leu	Ala	Ala	Ala	Val	Ser
										35	40			45
Leu	Leu	Tyr	Phe	Ser	Ser	Val	Val	Ile	Ile	Arg	Asn	Lys	Tyr	Gly
										50	55			60
Leu	Thr	Arg	Asp	Lys	Lys	Phe	Gln	Arg	Tyr	Leu	Ala	Arg	Val	Thr
										65	70			75
Asp	Ile	Glu	Ala	Thr	Asp	Thr	Asn	Asn	Pro	Asn	Val	Ser	Tyr	Gly
										80	85			90
Ile	Val	Val	Asp	Cys	Gly	Ser	Ser	Gly	Ser	Arg	Val	Phe	Val	Tyr
										95	100			105
Cys	Trp	Pro	Arg	His	Asn	Gly	Asn	Pro	His	Asp	Leu	Leu	Asp	Ile
										110	115			120
Arg	Gln	Met	Arg	Asp	Lys	Asn	Arg	Lys	Pro	Val	Val	Met	Lys	Ile
										125	130			135
Lys	Pro	Gly	Ile	Ser	Glu	Phe	Ala	Thr	Ser	Pro	Glu	Lys	Val	Ser
										140	145			150
Asp	Tyr	Ile	Ser	Pro	Leu	Leu	Asn	Phe	Ala	Ala	Glu	His	Val	Pro
										155	160			165
Arg	Ala	Lys	His	Lys	Glu	Thr	Pro	Leu	Tyr	Ile	Leu	Cys	Thr	Ala
										170	175			180
Gly	Met	Arg	Ile	Leu	Pro	Glu	Ser	Gln	Gln	Lys	Ala	Ile	Leu	Glu
										185	190			195
Asp	Leu	Leu	Thr	Asp	Ile	Pro	Val	His	Phe	Asp	Phe	Leu	Phe	Ser
										200	205			210
Asp	Ser	His	Ala	Glu	Val	Ile	Ser	Gly	Lys	Gln	Glu	Gly	Val	Tyr
										215	220			225
Ala	Trp	Ile	Gly	Ile	Asn	Phe	Val	Leu	Gly	Arg	Phe	Glu	His	Ile
										230	235			240
Glu	Asp	Asp	Asp	Glu	Ala	Val	Val	Glu	Val	Asn	Ile	Pro	Gly	Ser
										245	250			255
Glu	Ser	Ser	Glu	Ala	Ile	Val	Arg	Lys	Arg	Thr	Ala	Gly	Ile	Leu
										260	265			270
Asp	Met	Gly	Gly	Val	Ser	Thr	Gln	Ile	Ala	Tyr	Glu	Val	Pro	Lys
										275	280			285
Thr	Glu	Glu	Val	Ala	Lys	Asn	Leu	Leu	Ala	Glu	Phe	Asn	Leu	Gly

290	295	300
Cys Asp Val His Gln Thr Glu His Val	Tyr Arg Val Tyr Val	Ala
305	310	315
Thr Phe Leu Gly Phe Gly Gly Asn Ala	Ala Arg Gln Arg Tyr	Glu
320	325	330
Asp Arg Ile Phe Ala Asn Thr Ile Gln	Lys Asn Arg Leu Leu	Gly
335	340	345
Lys Gln Thr Gly Leu Thr Pro Asp Met	Pro Tyr Leu Asp Pro	Cys
350	355	360
Leu Pro Leu Asp Ile Lys Asp Glu Ile	Gln Gln Asn Gly Gln	Thr
365	370	375
Ile Tyr Leu Arg Gly Thr Gly Asp Phe	Asp Leu Cys Arg Glu	Thr
380	385	390
Ile Gln Pro Phe Met Asn Lys Thr Asn	Glu Thr Gln Thr Ser	Leu
395	400	405
Asn Gly Val Tyr Gln Pro Pro Ile His	Phe Gln Asn Ser Glu	Phe
410	415	420
Tyr Gly Phe Ser Glu Phe Tyr Tyr Cys	Thr Glu Asp Val Leu	Arg
425	430	435
Met Gly Gly Asp Tyr Asn Ala Ala Lys	Phe Thr Lys Ala Ala	Lys
440	445	450
Asp Tyr Cys Ala Thr Lys Trp Ser Ile	Leu Arg Glu Arg Phe	Asp
455	460	465
Arg Gly Leu Tyr Ala Ser His Ala Asp	Leu His Arg Leu Lys	
470	475	

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<211> 222  
<212> PRT  
<213> Homo sapiens

<220>  
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<223> Incyte ID No: 7524922CD1

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Val Ser Lys Val Pro Ser Ser Leu Ser	Gln Glu Gln Ser Glu Gln	
20	25	30
Asp Ala Ile Tyr Gln Asn Leu Thr Gln	Leu Lys Ala Ala Val Gly	
35	40	45
Glu Leu Ser Glu Lys Ser Lys Leu Gln	Gl Glu Ile Tyr Gln Glu Leu	
50	55	60
Thr Gln Leu Lys Ala Ala Val Gly	Gl Glu Pro Glu Lys Ser Lys	
65	70	75
Leu Gln Glu Ile Tyr Gln Glu Leu Thr	Arg Leu Lys Ala Ala Val	
80	85	90
Gly Glu Leu Pro Glu Lys Ser Lys Leu	Gln Glu Ile Tyr Gln Glu	
95	100	105
Leu Thr Arg Leu Lys Ala Ala Val Gly	Glu Leu Pro Glu Lys Ser	
110	115	120
Lys Leu Gln Glu Ile Tyr Gln Glu Leu	Thr Gln Leu Lys Ala Ala	
125	130	135
Val Gly Glu Leu Pro Asp Gln Ser Lys	Gln Gln Ile Tyr Gln	
140	145	150
Glu Leu Thr Asp Leu Lys Thr Ala Phe	Glu Arg Leu Cys Arg His	
155	160	165
Cys Pro Lys Asp Trp Thr Phe Phe Gln	Gly Asn Cys Tyr Phe Met	
170	175	180
Ser Asn Ser Gln Arg Asn Trp His Asn	Ser Val Thr Ala Cys Gln	
185	190	195
Glu Val Arg Ala Gln Leu Val Val Ile	Lys Thr Ala Glu Glu Gln	

200	205	210
Leu Pro Ala Val	Leu Glu Gln Trp Arg	Thr Gln Gln
215	220	

<210> 8  
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 <212> PRT  
 <213> Homo sapiens

<220>  
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 <223> Incyte ID No: 7524936CD1

<400> 8

Met Ser Asp Ser Lys Glu Pro Arg Val Gln Gln Leu Gly Leu Leu	1 5 10 15	
Glu Asp Pro Thr Thr Ser Gly Ile Arg Leu Phe Pro Arg Asp Phe	20 25 30	
Gln Phe Gln Gln Ile His Gly His Lys Ser Ser Thr Val Ser Lys	35 40 45	
Val Pro Ser Ser Leu Ser Gln Glu Gln Ser Glu Gln Asp Ala Ile	50 55 60	
Tyr Gln Asn Leu Thr Gln Leu Lys Ala Ala Val Gly Glu Leu Ser	65 70 75	
Glu Lys Ser Lys Leu Gln Glu Ile Tyr Gln Glu Leu Thr Gln Leu	80 85 90	
Lys Ala Ala Val Gly Glu Leu Pro Glu Lys Ser Lys Leu Gln Glu	95 100 105	
Ile Tyr Gln Glu Leu Thr Arg Leu Lys Ala Ala Val Gly Glu Leu	110 115 120	
Pro Glu Lys Ser Lys Leu Gln Glu Ile Tyr Gln Glu Leu Thr Arg	125 130 135	
Leu Lys Ala Ala Val Gly Glu Leu Pro Glu Lys Ser Lys Leu Gln	140 145 150	
Glu Ile Tyr Gln Glu Leu Thr Arg Leu Lys Ala Ala Val Gly Glu	155 160 165	
Leu Pro Glu Lys Ser Lys Leu Gln Glu Ile Tyr Gln Glu Leu Thr	170 175 180	
Glu Leu Lys Ala Ala Val Gly Glu Leu Pro Glu Lys Ser Lys Leu	185 190 195	
Gln Glu Ile Tyr Gln Glu Leu Thr Gln Leu Lys Ala Ala Val Gly	200 205 210	
Glu Leu Pro Asp Gln Ser Lys Gln Gln Gln Ile Tyr Gln Glu Leu	215 220 225	
Thr Asp Leu Lys Thr Ala Phe Glu Arg Leu Cys Arg His Cys Pro	230 235 240	
Lys Asp Trp Thr Phe Phe Gln Gly Asn Cys Tyr Phe Met Ser Asn	245 250 255	
Ser Gln Arg Asn Trp His Asp Ser Val Thr Ala Cys Gln Glu Val	260 265 270	
Arg Ala Gln Leu Val Val Ile Lys Thr Ala Glu Glu Gln Asn Phe	275 280 285	
Leu Gln Leu Gln Thr Ser Arg Ser Asn Arg Phe Ser Trp Met Gly	290 295 300	
Leu Ser Asp Leu Asn Gln Glu Gly Thr Trp Gln Trp Val Asp Gly	305 310 315	
Ser Pro Leu Ser Pro Ser Phe Gln Arg Tyr Trp Asn Ser Gly Glu	320 325 330	
Pro Asn Asn Ser Gly Asn Glu Asp Cys Ala Glu Phe Ser Gly Ser	335 340 345	
Gly Trp Asn Asp Asn Arg Cys Asp Val Asp Asn Tyr Trp Ile Cys	350 355 360	
Lys Lys Pro Ala Pro Arg Phe Arg Asp Glu		

365

370

<210> 9  
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 <213> Homo sapiens

<220>  
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 <223> Incyte ID No: 7512039CD1

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 Met Asn Ser Ser Lys Ser Ser Glu Thr Gln Cys Thr Glu Arg Gly  
 1 5 10 15  
 Cys Phe Ser Ser Gln Met Phe Leu Trp Thr Val Ala Gly Ile Pro  
 20 25 30  
 Ile Leu Phe Leu Ser Ala Cys Phe Ile Thr Arg Cys Val Val Thr  
 35 40 45  
 Phe Arg Ile Phe Gln Thr Cys Asp Glu Lys Lys Phe Gln Leu Pro  
 50 55 60  
 Glu Asn Phe Thr Glu Leu Ser Cys Tyr Asn Tyr Gly Ser Ala Ser  
 65 70 75  
 Gly Met

<210> 10  
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 <212> PRT  
 <213> Homo sapiens

<220>  
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 Met Pro Ala Val Ser Gly Pro Gly Pro Leu Phe Cys Leu Leu Leu  
 1 5 10 15  
 Leu Leu Leu Asp Pro His Ser Pro Glu Thr Gly Cys Pro Pro Leu  
 20 25 30  
 Arg Arg Phe Glu Tyr Lys Leu Ser Phe Lys Gly Pro Arg Leu Ala  
 35 40 45  
 Leu Pro Gly Ala Gly Ile Pro Phe Trp Ser His His Gly Asp Ala  
 50 55 60  
 Ile Leu Gly Leu Glu Glu Val Arg Leu Thr Pro Ser Met Arg Asn  
 65 70 75  
 Arg Ser Gly Ala Val Trp Ser Arg Ala Ser Val Pro Phe Ser Ala  
 80 85 90  
 Trp Glu Val Glu Val Gln Met Arg Val Thr Gly Leu Gly Arg Arg  
 95 100 105  
 Gly Ala Gln Gly Met Ala Val Trp Tyr Thr Arg Gly Arg Gly His  
 110 115 120  
 Val Gly Ser Val Leu Gly Gly Leu Ala Ser Trp Asp Gly Ile Gly  
 125 130 135  
 Ile Phe Phe Asp Ser Pro Ala Glu Asp Thr Gln Asp Ser Pro Ala  
 140 145 150  
 Ile Arg Val Leu Ala Ser Asp Gly His Ile Pro Ser Glu Gln Pro  
 155 160 165  
 Gly Asp Gly Ala Ser Gln Gly Leu Gly Ser Cys His Trp Asp Phe  
 170 175 180  
 Arg Asn Arg Pro His Pro Phe Arg Ala Arg Ile Thr Tyr Trp Gly  
 185 190 195  
 Gln Arg Leu Arg Met Ser Leu Asn Ser Gly Leu Thr Pro Ser Asp  
 200 205 210

Pro	Asp	Asp	His	Asp	Val	Leu	Ser	Phe	Leu	Thr	Phe	Ser	Leu	Ser
				215					220					225
Glu	Pro	Ser	Pro	Glu	Val	Pro	Pro	Gln	Pro	Phe	Leu	Glu	Met	Gln
				230					235					240
Gln	Leu	Arg	Leu	Ala	Arg	Gln	Leu	Glu	Gly	Leu	Trp	Ala	Arg	Leu
				245					250					255
Gly	Leu	Gly	Thr	Arg	Glu	Asp	Val	Thr	Pro	Lys	Ser	Asp	Ser	Glu
				260					265					270
Ala	Gln	Gly	Glu	Gly	Glu	Arg	Leu	Phe	Asp	Leu	Glu	Glu	Thr	Leu
				275					280					285
Gly	Arg	His	Arg	Arg	Ile	Leu	Gln	Ala	Leu	Arg	Gly	Leu	Ser	Lys
				290					295					300
Gln	Leu	Ala	Gln	Ala	Glu	Arg	Gln	Trp	Lys	Lys	Gln	Leu	Gly	Pro
				305					310					315
Pro	Gly	Gln	Ala	Arg	Pro	Asp	Gly	Gly	Trp	Ala	Leu	Asp	Ala	Ser
				320					325					330
Cys	Gln	Ile	Pro	Ser	Thr	Pro	Gly	Arg	Gly	Gly	His	Leu	Ser	Met
				335					340					345
Ser	Leu	Asn	Lys	Asp	Ser	Ala	Lys	Val	Gly	Ala	Leu	Leu	His	Gly
				350					355					360
Gln	Trp	Thr	Leu	Leu	Gln	Ala	Leu	Gln	Glu	Met	Ser	Arg	Gln	Glu
				365					370					375
Leu	Asn	Lys	Ser	Leu	Gln	Glu	Cys	Leu	Ser	Thr	Gly	Ser	Leu	Pro
				380					385					390
Leu	Gly	Pro	Ala	Pro	His	Thr	Pro	Arg	Ala	Leu	Gly	Ile	Leu	Met
				395					400					405
Arg	Gln	Pro	Leu	Pro	Ala	Ser	Met	Pro	Ala					
				410										415

<210> 11  
<211> 441  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 7514864CD1

<400> 11														
Met	Ala	Ala	Ala	Met	Pro	Leu	Ala	Leu	Leu	Val	Leu	Leu	Leu	
1				5					10					15
Gly	Pro	Gly	Gly	Trp	Cys	Leu	Ala	Glu	Pro	Pro	Arg	Asp	Ser	Leu
				20					25					30
Arg	Glu	Glu	Leu	Val	Ile	Thr	Pro	Leu	Pro	Ser	Gly	Asp	Val	Ala
				35					40					45
Ala	Thr	Phe	Gln	Phe	Arg	Thr	Arg	Trp	Asp	Ser	Glu	Leu	Gln	Arg
				50					55					60
Glu	Gly	Gly	Leu	Ser	Val	Leu	Leu	Lys	Ala	Asp	Arg	Leu	Phe	His
				65					70					75
Thr	Ser	Tyr	His	Ser	Gln	Ala	Val	His	Ile	Arg	Pro	Val	Cys	Arg
				80					85					90
Asn	Ala	Arg	Cys	Thr	Ser	Ile	Ser	Trp	Glu	Leu	Arg	Gln	Thr	Leu
				95					100					105
Ser	Val	Val	Phe	Asp	Ala	Phe	Ile	Ala	Gly	Gln	Gly	Lys	Lys	Asp
				110					115					120
Trp	Ser	Leu	Phe	Arg	Met	Phe	Ser	Arg	Thr	Leu	Thr	Glu	Pro	Cys
				125					130					135
Pro	Leu	Ala	Ser	Glu	Ser	Arg	Val	Tyr	Val	Asp	Ile	Thr	Thr	Tyr
				140					145					150
Asn	Gln	Asp	Asn	Glu	Thr	Leu	Glu	Val	His	Pro	Pro	Pro	Thr	Thr
				155					160					165
Thr	Tyr	Gln	Asp	Val	Ile	Leu	Gly	Thr	Arg	Lys	Thr	Tyr	Ala	Ile
				170					175					180

Tyr	Asp	Leu	Leu	Asp	Thr	Ala	Met	Ile	Asn	Asn	Ser	Arg	Asn	Leu
				185					190					195
Asn	Ile	Gln	Leu	Lys	Trp	Lys	Arg	Pro	Pro	Glu	Asn	Glu	Ala	Pro
				200					205					210
Pro	Val	Pro	Phe	Leu	Arg	Ala	Gln	Arg	Tyr	Val	Ser	Gly	Tyr	Gly
				215					220					225
Leu	Gln	Lys	Gly	Glu	Leu	Ser	Thr	Leu	Leu	Tyr	Asn	Thr	His	Pro
				230					235					240
Tyr	Arg	Ala	Phe	Pro	Val	Leu	Leu	Leu	Asp	Thr	Val	Pro	Trp	Tyr
				245					250					255
Leu	Arg	Leu	Tyr	Val	His	Thr	Leu	Thr	Ile	Thr	Ser	Lys	Gly	Lys
				260					265					270
Glu	Asn	Lys	Pro	Ser	Tyr	Ile	His	Tyr	Gln	Pro	Ala	Gln	Asp	Arg
				275					280					285
Leu	Gln	Pro	His	Leu	Leu	Glu	Met	Leu	Ile	Gln	Leu	Pro	Ala	Asn
				290					295					300
Ser	Val	Thr	Lys	Val	Ser	Ile	Gln	Phe	Glu	Arg	Ala	Leu	Leu	Lys
				305					310					315
Trp	Thr	Glu	Tyr	Thr	Pro	Asp	Pro	Asn	His	Gly	Phe	Tyr	Val	Ser
				320					325					330
Pro	Ser	Val	Leu	Ser	Ala	Leu	Val	Pro	Ser	Met	Val	Ala	Ala	Lys
				335					340					345
Pro	Val	Asp	Trp	Glu	Glu	Ser	Pro	Leu	Phe	Asn	Ser	Leu	Phe	Pro
				350					355					360
Val	Ser	Asp	Gly	Ser	Asn	Tyr	Phe	Val	Arg	Leu	Tyr	Thr	Glu	Pro
				365					370					375
Leu	Leu	Val	Asn	Leu	Pro	Thr	Pro	Asp	Phe	Ser	Met	Pro	Tyr	Asn
				380					385					390
Val	Ile	Cys	Leu	Thr	Cys	Thr	Val	Val	Ala	Val	Cys	Tyr	Gly	Ser
				395					400					405
Phe	Tyr	Asn	Leu	Leu	Thr	Arg	Thr	Phe	His	Ile	Glu	Glu	Pro	Arg
				410					415					420
Thr	Gly	Gly	Leu	Ala	Lys	Arg	Leu	Ala	Asn	Leu	Ile	Arg	Arg	Ala
				425					430					435
Arg	Gly	Val	Pro	Pro	Leu									
				440										

<210> 12  
<211> 283  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 8266965CD1

<400> 12

Met	Thr	Gln	Leu	Lys	Glu	Ala	Ala	Ile	Gly	Val	Leu	Val	Leu	Ser
1				5					10					15
Trp	Tyr	Pro	Pro	Gly	Met	Ala	Asp	Asp	Asn	Gly	Glu	Pro	Ser	Asp
				20					25					30
Asp	Leu	Val	Pro	Ala	Ile	Leu	Asp	Thr	Ala	His	Gln	Tyr	Ser	Ile
				35					40					45
Gln	Val	Ala	Phe	His	Ile	Gln	Pro	Tyr	Lys	Gly	Arg	Asp	Asp	Ile
				50					55					60
Thr	Val	His	Asp	Asn	Ile	Lys	Tyr	Ile	Ile	Asp	Thr	Tyr	Gly	Ser
				65					70					75
His	Gly	Ala	Phe	Tyr	Arg	Tyr	Lys	Asn	Ser	Met	Gly	Lys	Ser	Leu
				80					85					90
Pro	Leu	Phe	Tyr	Ile	Tyr	Asp	Ser	Tyr	Leu	Thr	Ser	Pro	Glu	Ala
				95					100					105
Trp	Ala	His	Leu	Leu	Thr	Pro	Asn	Gly	Pro	His	Ser	Ile	Arg	Asn
				110					115					120

Thr	Pro	Tyr	Asp	Gly	Val	Phe	Ile	Ala	Leu	Leu	Val	Glu	Glu	Gly
				125					130					135
His	Thr	His	Asp	Ile	Leu	Ala	Ala	Gly	Phe	Asp	Gly	Met	Tyr	Thr
				140					145					150
Tyr	Phe	Ala	Ser	Asn	Gly	Phe	Ser	Phe	Gly	Ser	Ser	His	Gln	Asn
				155					160					165
Trp	Lys	Ala	Val	Lys	Asn	Phe	Cys	Asp	Ala	Asn	Asn	Leu	Met	Phe
				170					175					180
Ile	Pro	Ser	Val	Gly	Pro	Gly	Tyr	Ile	Asp	Thr	Ser	Ile	Arg	Pro
				185					190					195
Trp	Asn	Asn	His	Asn	Thr	Arg	Asn	Arg	Val	Asn	Gly	Lys	Tyr	Tyr
				200					205					210
Glu	Thr	Ala	Leu	Gln	Ala	Ala	Leu	Thr	Val	Arg	Pro	Glu	Ile	Val
				215					220					225
Ser	Ile	Thr	Ser	Phe	Asn	Glu	Trp	His	Glu	Gly	Thr	Gln	Ile	Glu
				230					235					240
Lys	Ala	Ile	Pro	Lys	Lys	Thr	Pro	Thr	Arg	Leu	Tyr	Leu	Asp	Tyr
				245					250					255
Leu	Pro	His	Gln	Pro	Ser	Leu	Tyr	Leu	Glu	Leu	Thr	Arg	Arg	Trp
				260					265					270
Ala	Glu	His	Phe	Ile	Lys	Glu	Lys	Glu	Gln	Trp	Leu	Met		
				275					280					

&lt;210&gt; 13

&lt;211&gt; 159

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7515124CD1

&lt;400&gt; 13

Met	Ser	Ala	Leu	Trp	Leu	Leu	Leu	Gly	Leu	Leu	Ala	Leu	Met	Gly
1				5				10					15	
Val	Arg	Ala	Ser	Glu	Arg	Leu	Ala	Glu	Ile	Asp	Met	Pro	Tyr	Leu
				20				25					30	
Leu	Lys	Tyr	Gln	Pro	Met	Met	Gln	Thr	Ile	Gly	Gln	Lys	Tyr	Cys
				35				40					45	
Met	Asp	Pro	Ala	Val	Ile	Ala	Gly	Val	Leu	Ser	Arg	Lys	Ser	Pro
				50				55					60	
Gly	Asp	Lys	Ile	Leu	Val	Asn	Met	Gly	Asp	Arg	Thr	Ser	Met	Val
				65				70					75	
Gln	Asp	Pro	Gly	Ser	Gln	Ala	Pro	Thr	Ser	Trp	Ile	Ser	Glu	Ser
				80				85					90	
Gln	Val	Ser	Gln	Thr	Thr	Glu	Val	Leu	Thr	Arg	Ile	Lys	Glu	
				95				100					105	
Ile	Gln	Arg	Arg	Phe	Pro	Thr	Trp	Thr	Pro	Asp	Gln	Tyr	Leu	Arg
				110				115					120	
Gly	Gly	Leu	Cys	Ala	Tyr	Ser	Gly	Gly	Ala	Gly	Tyr	Val	Arg	Ser
				125				130					135	
Ser	Gln	Asp	Leu	Ser	Cys	Asp	Phe	Cys	Asn	Asp	Val	Leu	Ala	Arg
				140				145					150	
Ala	Lys	Tyr	Leu	Lys	Arg	His	Gly	Phe						
				155										

&lt;210&gt; 14

&lt;211&gt; 154

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

<223> Incyte ID No: 7514570CD1

<400> 14

Met	His	Asp	Ser	Asn	Asn	Val	Glu	Lys	Asp	Ile	Thr	Pro	Ser	Glu
1				5					10					15
Leu	Pro	Ala	Asn	Pro	Ala	Ile	Arg	Ala	Asn	Cys	His	Gln	Glu	Pro
				20					25					30
Ser	Val	Cys	Leu	Gln	Ala	Ala	Cys	Pro	Glu	Ser	Trp	Ile	Gly	Phe
				35					40					45
Gln	Arg	Lys	Cys	Phe	Tyr	Phe	Ser	Asp	Asp	Thr	Lys	Asn	Trp	Thr
				50					55					60
Ser	Ser	Gln	Arg	Phe	Cys	Asp	Ser	Gln	Asp	Ala	Asp	Leu	Ala	Gln
				65					70					75
Val	Glu	Ser	Phe	Gln	Glu	Leu	Asn	Phe	Leu	Leu	Arg	Tyr	Lys	Gly
				80					85					90
Pro	Ser	Asp	His	Trp	Ile	Gly	Leu	Ser	Arg	Glu	Gln	Gly	Gln	Pro
				95					100					105
Trp	Lys	Trp	Ile	Asn	Gly	Thr	Glu	Trp	Thr	Arg	Gln	Phe	Pro	Ile
				110					115					120
Leu	Gly	Ala	Gly	Glu	Cys	Ala	Tyr	Leu	Asn	Asp	Lys	Gly	Ala	Ser
				125					130					135
Ser	Ala	Arg	His	Tyr	Thr	Glu	Arg	Lys	Trp	Ile	Cys	Ser	Lys	Ser
				140					145					150
Asp	Ile	His	Val											

<210> 15

<211> 431

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 7515114CD1

<400> 15

Met	Pro	Ala	Val	Ser	Gly	Pro	Gly	Pro	Leu	Phe	Cys	Leu	Leu	Leu
1				5					10					15
Leu	Leu	Leu	Asp	Pro	His	Ser	Pro	Glu	Thr	Gly	Cys	Pro	Pro	Leu
				20					25					30
Arg	Arg	Phe	Glu	Tyr	Lys	Leu	Ser	Phe	Lys	Gly	Pro	Arg	Leu	Ala
				35					40					45
Leu	Pro	Gly	Ala	Gly	Ile	Pro	Phe	Trp	Ser	His	His	Gly	Asp	Ala
				50					55					60
Ile	Leu	Gly	Leu	Glu	Glu	Val	Arg	Leu	Thr	Pro	Ser	Met	Arg	Asn
				65					70					75
Arg	Ser	Gly	Ala	Val	Trp	Ser	Arg	Ala	Ser	Val	Pro	Phe	Ser	Ala
				80					85					90
Trp	Glu	Val	Val	Gln	Met	Arg	Val	Thr	Gly	Leu	Gly	Arg	Arg	
				95					100					105
Gly	Ala	Gln	Gly	Met	Ala	Val	Trp	Tyr	Thr	Arg	Gly	Arg	Gly	His
				110					115					120
Val	Gly	Ser	Val	Leu	Gly	Gly	Leu	Ala	Ser	Trp	Asp	Gly	Ile	Gly
				125					130					135
Ile	Phe	Phe	Asp	Ser	Pro	Ala	Glu	Asp	Thr	Gln	Asp	Ser	Pro	Ala
				140					145					150
Ile	Arg	Val	Leu	Ala	Ser	Asp	Gly	His	Ile	Pro	Ser	Glu	Gln	Pro
				155					160					165
Gly	Asp	Gly	Ala	Ser	Gln	Gly	Leu	Gly	Ser	Cys	His	Trp	Asp	Phe
				170					175					180
Arg	Asn	Arg	Pro	His	Pro	Phe	Arg	Ala	Arg	Ile	Thr	Tyr	Trp	Gly
				185					190					195
Gln	Arg	Leu	Arg	Met	Ser	Leu	Asn	Ser	Gly	Leu	Thr	Pro	Ser	Asp

200	205	210
Pro Gly Glu Phe Cys Val Asp Val Gly	Pro Leu Leu Leu Val	Pro
215	220	225
Gly Gly Phe Phe Gly Val Ser Ala Ala	Thr Gly Thr Leu Ala	Gly
230	235	240
Glu Asp Pro Thr Gly Gln Val Pro Pro	Gln Pro Phe Leu Glu	Met
245	250	255
Gln Gln Leu Arg Leu Ala Arg Gln Leu	Glu Gly Leu Trp Ala	Arg
260	265	270
Leu Gly Leu Gly Thr Arg Glu Asp Val	Thr Pro Lys Ser Asp	Ser
275	280	285
Glu Ala Gln Gly Glu Gly Glu Arg Leu	Phe Asp Leu Glu Glu	Thr
290	295	300
Leu Gly Arg His Arg Arg Ile Leu Gln	Ala Leu Arg Gly Leu	Ser
305	310	315
Lys Gln Leu Ala Gln Ala Glu Arg Gln	Trp Lys Lys Gln Leu	Gly
320	325	330
Pro Pro Gly Gln Thr Arg Pro Asp Gly	Gly Trp Ala Leu Asp	Ala
335	340	345
Ser Cys Gln Ile Pro Ser Thr Pro Gly	Arg Gly Gly His Leu	Ser
350	355	360
Met Ser Leu Asn Lys Asp Ser Ala Lys	Val Gly Ala Leu Leu	His
365	370	375
Gly Gln Trp Thr Leu Leu Gln Ala Leu	Gln Glu Met Ser Arg	Gln
380	385	390
Glu Leu Asn Lys Ser Leu Gln Glu Cys	Leu Ser Thr Gly Ser	Leu
395	400	405
Pro Leu Gly Pro Ala Pro His Thr Pro	Arg Ala Leu Gly Ile	Leu
410	415	420
Arg Arg Gln Pro Leu Pro Ala Ser Met	Pro Ala	
425	430	

&lt;210&gt; 16

&lt;211&gt; 442

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7515136CD1

&lt;400&gt; 16

Met Pro Ala Val Ser Gly Pro Gly Pro Leu Phe Cys Leu Leu Leu			
1	5	10	15
Leu Leu Leu Asp Pro His Ser Pro Glu Thr Gly Cys Pro Pro Leu			
20	25	30	
Arg Arg Phe Glu Tyr Lys Leu Ser Phe Lys Gly Pro Arg Leu Ala			
35	40	45	
Leu Pro Gly Ala Gly Ile Pro Phe Trp Ser His His Gly Asp Ala			
50	55	60	
Ile Leu Gly Leu Glu Glu Val Arg Leu Thr Pro Ser Met Arg Asn			
65	70	75	
Arg Ser Gly Ala Val Trp Ser Arg Ala Ser Val Pro Phe Ser Ala			
80	85	90	
Trp Glu Val Glu Val Gln Met Arg Val Thr Gly Leu Gly Arg Arg			
95	100	105	
Gly Ala Gln Gly Met Ala Val Trp Tyr Thr Arg Gly Arg Gly His			
110	115	120	
Val Gly Ser Val Leu Gly Gly Leu Ala Ser Trp Asp Gly Ile Gly			
125	130	135	
Ile Phe Phe Asp Ser Pro Ala Glu Asp Thr Gln Asp Ser Pro Ala			
140	145	150	
Ile Arg Val Leu Ala Ser Asp Gly His Ile Pro Ser Glu Gln Pro			

	155	160	165
Gly Asp Gly Ala	Ser Gln Gly Leu Gly	Ser Cys His Trp Asp	Phe
170	175	180	
Arg Asn Arg Pro	His Pro Phe Arg Ala	Arg Ile Thr Tyr Trp	Gly
185	190	195	
Gln Arg Leu Arg	Met Ser Leu Asn Ser	Gly Leu Thr Pro Ser	Asp
200	205	210	
Pro Gly Glu Phe	Cys Val Asp Val Gly	Pro Leu Leu Leu Val	Pro
215	220	225	
Gly Gly Phe Phe	Gly Val Ser Ala Ala	Thr Gly Thr Leu Ala	Asp
230	235	240	
Asp His Asp Val	Leu Ser Phe Leu Thr	Phe Ser Leu Ser Glu	Pro
245	250	255	
Ser Pro Glu Val	Pro Pro Gln Pro Phe	Leu Glu Met Gln Gln	Leu
260	265	270	
Arg Leu Ala Arg	Gln Leu Glu Gly Leu	Trp Ala Arg Leu Gly	Leu
275	280	285	
Gly Thr Arg Glu	Asp Val Thr Pro Lys	Ser Asp Ser Glu Ala	Gln
290	295	300	
Gly Glu Gly Glu	Arg Leu Phe Asp Leu	Glu Glu Thr Leu Gly	Arg
305	310	315	
His Arg Arg Ile	Leu Gln Ala Leu Arg	Gly Leu Ser Lys Gln	Leu
320	325	330	
Ala Gln Ala Glu	Arg Gln Trp Lys Lys	Gln Leu Gly Pro Pro	Gly
335	340	345	
Gln Ala Arg Pro	Asp Gly Gly Trp Ala	Leu Asp Ala Ser Cys	Gln
350	355	360	
Ile Pro Ser Thr	Pro Gly Arg Gly Gly	His Leu Ser Met Ser	Leu
365	370	375	
Asn Lys Asp Ser	Ala Lys Val Gly Ala	Leu Leu His Gly Gln	Trp
380	385	390	
Thr Leu Leu Arg	Ala Leu Gln Glu Met	Arg Gln Glu Leu Asn	Lys
395	400	405	
Ser Leu Gln Glu	Cys Leu Ser Thr Gly	Ser Leu Pro Leu Gly	Pro
410	415	420	
Ala Pro His Thr	Pro Arg Ala Leu Gly	Ile Leu Arg Arg Gln	Pro
425	430	435	
Leu Pro Ala Ser	Met Pro Ala		
440			

<210> 17  
 <211> 198  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7515308CD1

<400> 17

Met Thr Ser Glu Ile Thr Tyr Ala Glu Val Arg Phe Lys Asn Glu			
1	5	10	15
Phe Lys Ser Ser Gly Ile Asn Thr Ala Ser Ser Ala Val Phe Phe			
20	25	30	
Gln Lys Tyr Ser Gln Leu Leu Glu Lys Lys Thr Thr Lys Glu Leu			
35	40	45	
Val His Thr Thr Leu Glu Cys Val Lys Lys Asn Met Pro Val Glu			
50	55	60	
Glu Thr Ala Trp Ser Cys Cys Pro Lys Asn Trp Lys Ser Phe Ser			
65	70	75	
Ser Asn Cys Tyr Phe Ile Ser Thr Glu Ser Ala Ser Trp Gln Asp			
80	85	90	
Ser Glu Lys Asp Cys Ala Arg Met Glu Ala His Leu Leu Val Ile			

95	100	105
Asn Thr Gln Glu Glu Gln Asp Phe Ile	Phe Gln Asn Leu Gln Glu	
110	115	120
Glu Ser Ala Tyr Phe Val Gly Leu Ser Asp	Pro Glu Gly Gln Arg	
125	130	135
His Trp Gln Trp Val Asp Gln Thr Pro	Tyr Asn Glu Ser Ser Ala	
140	145	150
Phe Trp His Pro Arg Glu Pro Ser Asp	Pro Asn Glu Arg Cys Val	
155	160	165
Val Leu Asn Phe Arg Lys Ser Pro Lys	Arg Trp Gly Trp Asn Asp	
170	175	180
Val Asn Cys Leu Gly Pro Gln Arg Ser	Val Cys Glu Met Met Lys	
185	190	195
Ile His Leu		

<210> 18  
<211> 336  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 7516738CD1

<400> 18

Met Leu Leu Phe Leu Leu Ser Ala Leu Val	Leu Leu Thr Gln Pro
1 5	10 15
Leu Gly Tyr Leu Glu Ala Glu Met Lys	Thr Tyr Ser His Arg Thr
20	25 30
Met Pro Ser Ala Cys Thr Leu Val Met	Cys Ser Ser Val Glu Ser
35	40 45
Gly Leu Pro Gly Arg Asp Gly Arg Asp	Gly Arg Glu Gly Pro Arg
50	55 60
Gly Glu Lys Gly Asp Pro Gly Leu Pro	Gly Ala Ala Gly Gln Ala
65	70 75
Gly Met Pro Gly Gln Ala Gly Pro Val	Gly Pro Lys Gly Asp Asn
80	85 90
Gly Ser Val Gly Glu Pro Gly Pro Lys	Gly Asp Thr Gly Pro Ser
95	100 105
Gly Glu Val Gly Ala Pro Gly Met Gln	Gly Ser Ala Gly Ala Arg
110	115 120
Gly Leu Ala Gly Pro Lys Gly Glu Arg	Gly Val Pro Gly Glu Arg
125	130 135
Gly Val Pro Gly Asn Ala Gly Ala Ala	Gly Ser Ala Gly Ala Met
140	145 150
Gly Pro Gln Gly Ser Pro Gly Ala Arg	Gly Pro Pro Gly Leu Lys
155	160 165
Gly Asp Lys Gly Ile Pro Gly Asp Lys	Gly Ala Lys Gly Glu Ser
170	175 180
Gly Leu Pro Asp Val Ala Ser Leu Arg	Gly Gln Gln Val Glu Ala Leu
185	190 195
Gln Gly Gln Val Gln His Leu Gln Ala	Ala Phe Ser Gln Tyr Lys
200	205 210
Lys Val Glu Leu Phe Pro Asn Gly Gln	Ser Val Gly Glu Lys Ile
215	220 225
Phe Lys Thr Ala Gly Phe Val Lys Pro	Phe Thr Glu Ala Gln Leu
230	235 240
Leu Cys Thr Gln Ala Gly Gly Gln Leu	Ala Ser Pro Arg Ser Ala
245	250 255
Ala Glu Asn Ala Ala Leu Gln Gln Leu	Val Val Ala Lys Asn Glu
260	265 270
Ala Ala Phe Leu Ser Met Thr Asp Ser	Lys Thr Glu Gly Lys Phe

275	280	285
Thr Tyr Pro Thr Gly Glu Ser Leu Val	Tyr Ser Asn Trp Ala	Pro
290	295	300
Gly Glu Pro Asn Asp Asp Gly Gly Ser	Glu Asp Cys Val Glu	Ile
305	310	315
Phe Thr Asn Gly Lys Trp Asn Asp Arg	Ala Cys Gly Glu Lys	Arg
320	325	330
Leu Val Val Cys Glu Phe		
335		

<210> 19  
 <211> 258  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7518619CD1

<400> 19		
Met Met Leu Ser Leu Asn Asn Leu Gln Asn	Ile Ile Tyr Asn Pro	
1 5	10	15
Val Ile Pro Tyr Val Gly Thr Ile Pro Asp	Gln Leu Asp Pro Gly	
20	25	30
Thr Leu Ile Val Ile Cys Gly His Val	Pro Ser Asp Ala Asp Arg	
35	40	45
Phe Gln Val Asp Leu Gln Asn Gly Ser	Ser Val Lys Pro Arg Ala	
50	55	60
Asp Val Ala Phe His Phe Asn Pro Arg	Phe Lys Arg Ala Gly Cys	
65	70	75
Ile Val Cys Asn Thr Leu Ile Asn Glu	Lys Trp Gly Arg Glu Glu	
80	85	90
Ile Thr Tyr Asp Thr Pro Phe Lys Arg	Glu Lys Ser Phe Glu Ile	
95	100	105
Val Ile Met Val Leu Lys Asp Lys Phe	Gln Val Pro Lys Ser Gly	
110	115	120
Thr Pro Gln Leu Ser Leu Pro Phe Ala	Ala Arg Leu Asn Thr Pro	
125	130	135
Met Gly Pro Gly Arg Thr Val Val Val	Lys Gly Glu Val Asn Ala	
140	145	150
Asn Ala Lys Ser Phe Asn Val Asp Leu	Leu Ala Gly Lys Ser Lys	
155	160	165
Asp Ile Ala Leu His Leu Asn Pro Arg	Leu Asn Ile Lys Ala Phe	
170	175	180
Val Arg Asn Ser Phe Leu Gln Glu Ser	Trp Gly Glu Glu Arg	
185	190	195
Asn Ile Thr Ser Phe Pro Phe Ser Pro	Gly Met Tyr Phe Glu Met	
200	205	210
Ile Ile Tyr Cys Asp Val Arg Glu Phe	Lys Val Ala Val Asn Gly	
215	220	225
Val His Ser Leu Glu Tyr Lys His Arg	Phe Lys Glu Leu Ser Ser	
230	235	240
Ile Asp Thr Leu Glu Ile Asn Gly Asp	Ile His Leu Leu Glu Val	
245	250	255
Arg Ser Trp		

<210> 20  
 <211> 132  
 <212> PRT  
 <213> Homo sapiens

<220>

<221> misc\_feature  
 <223> Incyte ID No: 7513061CD1

<400> 20  
 Met Ala Gln Thr Asn Ser Phe Phe Met Leu Ile Ser Ser Leu Met  
 1 5 10 15  
 Phe Leu Ser Leu Ser Gln Gly Gln Glu Ser Gln Thr Glu Leu Pro  
 20 25 30  
 Asn Pro Arg Ile Ser Cys Pro Glu Gly Thr Asn Ala Tyr Arg Ser  
 35 40 45  
 Tyr Cys Tyr Tyr Phe Asn Glu Asp Pro Glu Thr Trp Val Asp Ala  
 50 55 60  
 Asp Leu Tyr Cys Gln Asn Met Asn Ser Gly Asn Leu Val Ser Val  
 65 70 75  
 Leu Thr Gln Ala Glu Gly Ala Phe Val Ala Ser Leu Ile Lys Glu  
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<212> DNA

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<223> Incyte ID No: 7524406CB1

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<212> DNA

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<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 7515124CB1

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